



## Clark County Building Department

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<b>Division:</b>	Building Division	<b>Code Interpretation</b>	BD-CI-004
<b>Subject:</b>	CONCRETE TILT-UP	<b>Effective Date:</b>	05/01/2007
<b>Code:</b>	ACI 318-08, 7.6.5, 10.5.4 and 16.4.2	<b>Revised Date:</b>	05/20/2011

### A. CODE REQUIREMENT

In a typical concrete tilt-up application there will be a cold joint between the footing and the tilt-up wall. Dowels are used to transfer the shear load from the tilt-up walls to the slab and/or foundation.

### B. INTERPRETATION

The spacing of these dowels shall be determined by calculation based on the required area of steel with a maximum spacing of 18 inches on center.

### C. RATIONALE

Section 10.5.4 requires structural slabs and foundations to have a maximum reinforcement spacing of 18 inches. Section 16.4.2 requires tilt-up walls to have a maximum reinforcement spacing of 18 inches. The ACI 318-08 is unclear on the maximum spacing of the dowels that transfer the shear load from the wall to the slab and/or foundation. The interpretation outlined above is based on an interpretation from ACI on this issue.

### Revision History:

POLICY #	TITLE	Effective Date	Revised	Reviewed
AD-CI-IBC-014	Concrete Tilt-Up	May 1, 2007		
BD-CI-004	Concrete Tilt-Up			August 15, 2008
BD-CI-004	Concrete Tilt-Up		May 20, 2011	
BD-CI-004	Concrete Tilt-Up			June 30, 2013

Approved by:

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